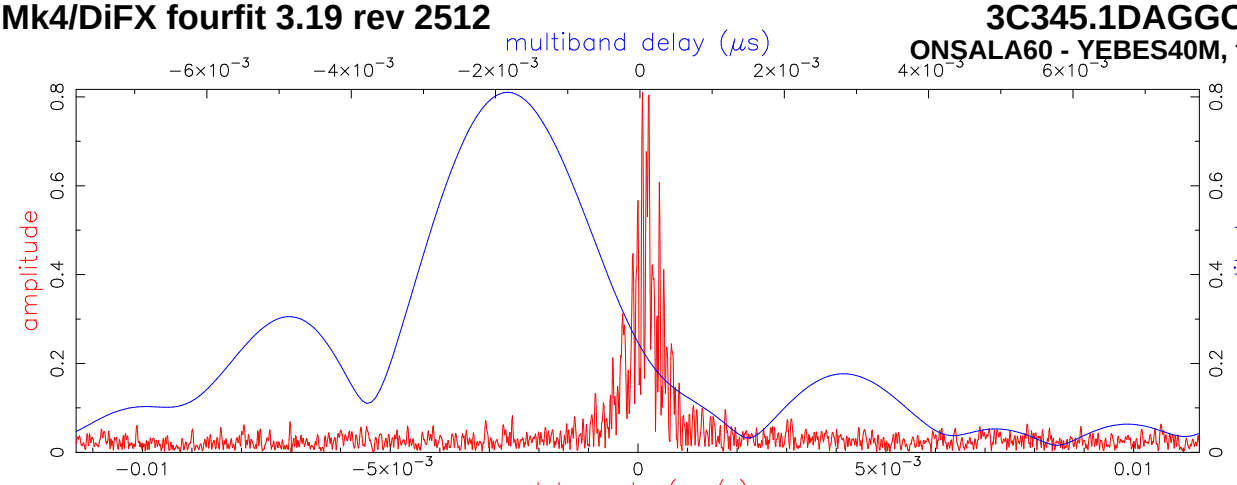
Mk4/DiFX fourfit 3.19 rev 2512

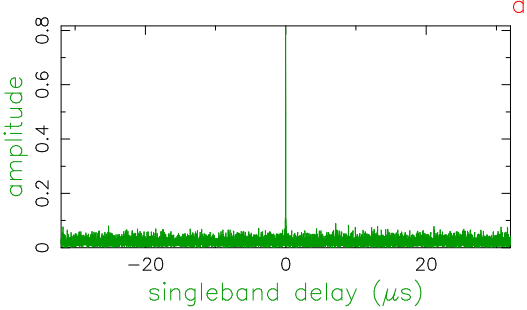
3C345.1DAGGO, No0007, XY

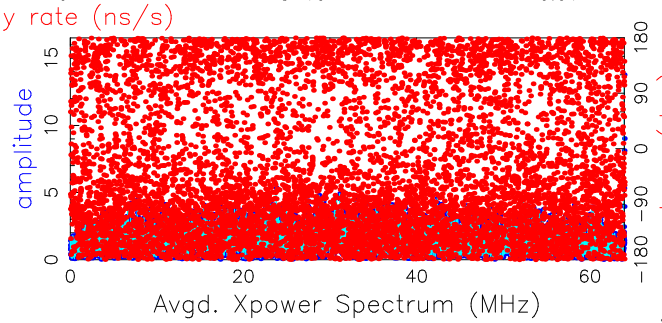
ONSALA60 - YEBES40M, fgroup W, pol RR



Fringe quality 5

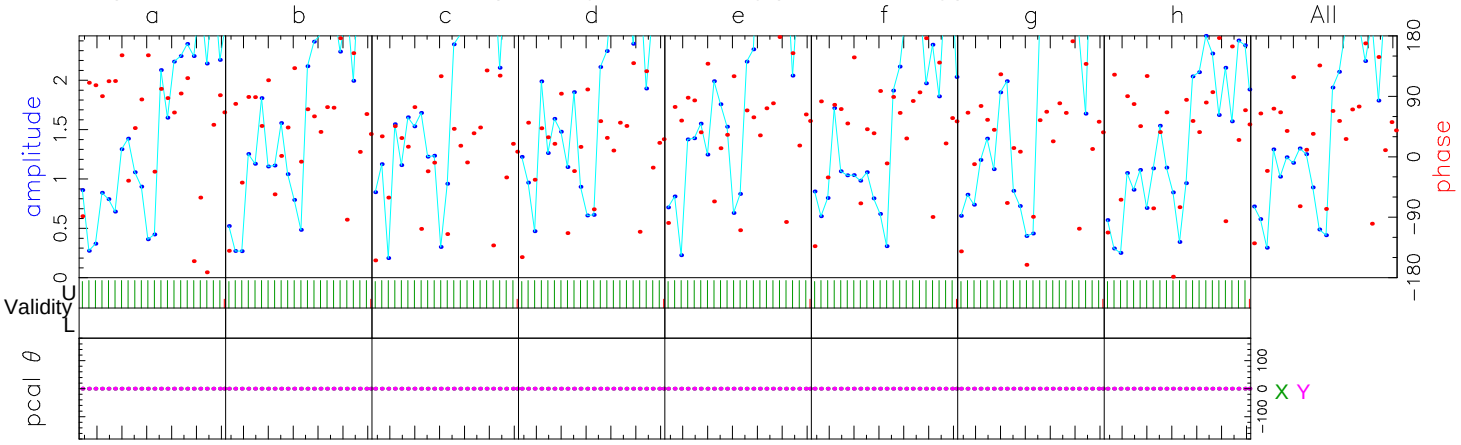
SNR 41.3
Int time 341.733
Amp 0.817
Phase 55.1
PFD 0.0e+00
Delays (us)
SBD -0.016835
MBD -0.001861
Fringe rate (Hz)
0.007681
Ion TEC 0.000
Ref freq (MHz)
86140.0000
AP (sec) 0.512





Exp. f202a
Exper # 16383
Yr:day 2020:282
Start 134516.89
Stop 135059.94
FRT 134800.00
Corr/FF/build
2020:285:203810
2020:285:204842
2020:234:093156
RA & Dec (J2000)
16h42m58.809967s
+39°48'36.993984"

Amp. and Phase vs. time for each freq., 23 segs, 30 APs / seg (15.36 sec / seg.), time ticks 30 sec



									Freq (MHz)	All
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Phase	55.1
	93.7	59.7	20.9	30.2	60.8	67.2	54.7	71.6	Ampl.	0.9
	0.7	0.9	0.9	1.0	1.0	0.9	0.9	0.7	Sbd box	8188.7
	8188.6	8187.8	8188.3	8188.7	8189.1	8188.4	8188.7	8188.8	APs used	
U/L	670/0	670/0	670/0	670/0	670/0	670/0	670/0	670/0	PC freqs	
X	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
Y	1000	1000	1000	1000	1000	1000	1000	1000	PC phase	
X:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
X:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC amp	
X	1000	1000	1000	1000	1000	1000	1000	1000		
Y	1000	1000	1000	1000	1000	1000	1000	1000		
X	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
									Tracks	
Y	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids	
									Tracks	

Group delay (usec)(sbd)	3.58603610944E+02	Apriori delay (usec)	3.58621097427E+02	Resid mbdelay (usec)	-1.86148E-03	+/-	2.6E-05
Sband delay (usec)	3.58604261927E+02	Apriori clock (usec)	3.4584675E+01	Resid sbdelay (usec)	-1.68355E-02	+/-	2.1E-04
Phase delay (usec)	3.58621099205E+02	Apriori clockrate (us/s)	3.0800002E-07	Resid phdelay (usec)	1.77843E-06	+/-	8.9E-08
Delay rate (us/s)	-2.85454434262E-01	Apriori rate (us/s)	-2.85454523426E-01	Resid rate (us/s)	8.91635E-08	+/-	4.5E-10
Total phase (deg)	174.8	Apriori accel (us/s/s)	1.21983286008E-05	Resid phase (deg)	55.1	+/-	2.8

	RMS	Theor.	Amplitude	0.817 +/- 0.020
ph/seg (deg)	77.3	6.7	Search (2048X32)	0.805
amp/seg (%)	139.6	11.6	Interp.	0.000
ph/frq (deg)	25.0	3.9	Inc. seg. avg.	1.585
amp/frq (%)	16.2	6.8	Inc. frq. avg.	0.865

Pcal mode: MANUAL, MANUAL PC period (AP's) 5, 5
Pcal rate: 0.000E+00, 0.000E+00 (us/s)
Bits/sample: 2x2 SampCntNorm: enabled
Sample rate(MSamp/s): 128
Data rate(Mb/s): 2048 nlags: 8192 t_cohere infinite

sb window (us)	-32.000	32.000
mb window (us)	-0.008	0.008
dr window (ns/s)	-0.011	0.011
ion window (TEC)	0.00	0.00

X: az 144.0 el 69.8 pa -23.5 Y: az 81.9 el 66.9 pa -78.6 u,v (fr/asec) 2153.790 2081.669 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/f202a/FRINGE/1234/No0007/XY..1DAGGO Output file: /Exps/f202a/FRINGE/1234/No0007/XY.W.36.1DAGGO